

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P251297

Luminaire Tested: **LSR8B70D010 EC8B709730 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B709730 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6160.9 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

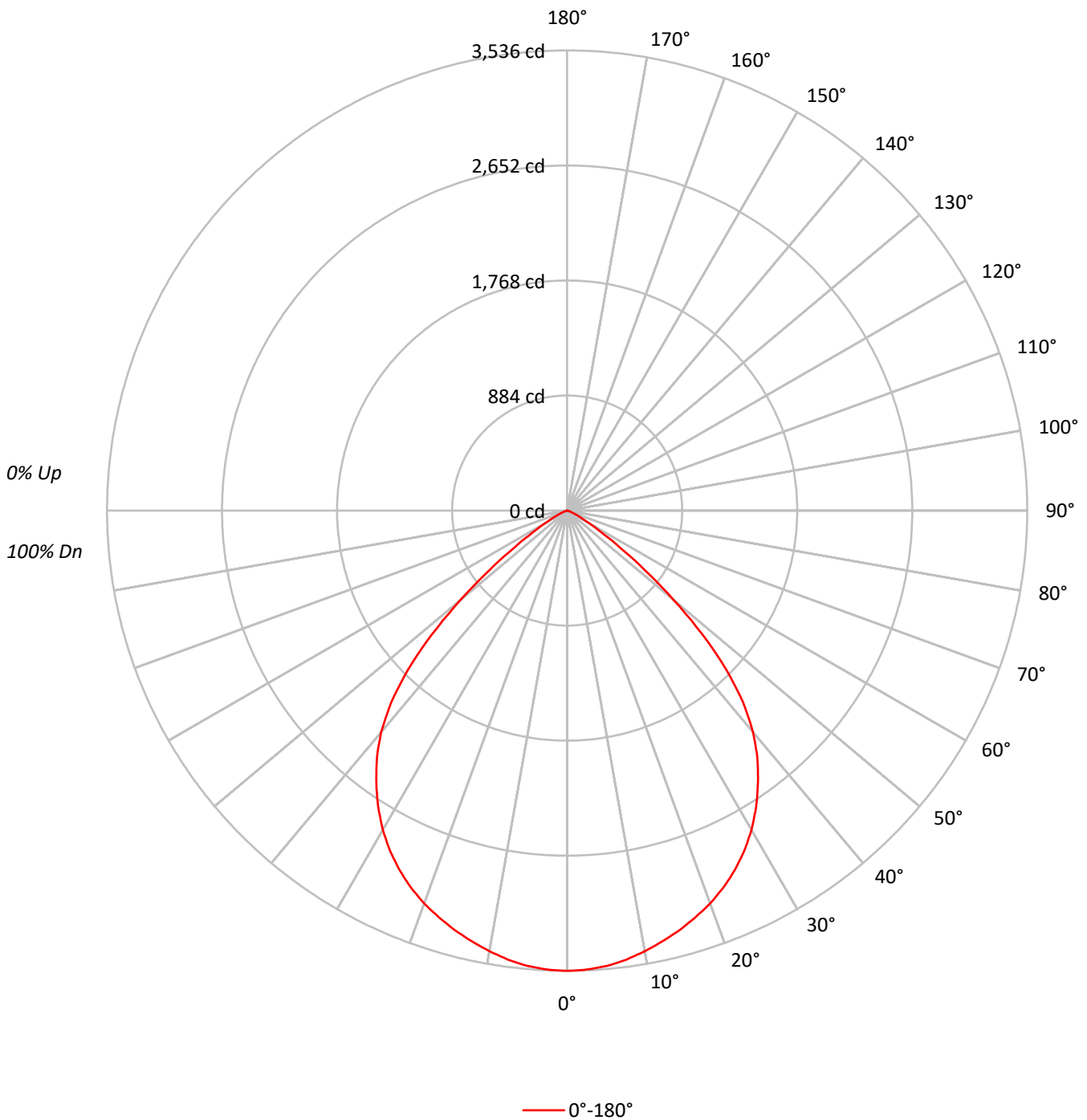
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109050
5°	108720
10°	107648
15°	106543
20°	105426
25°	103702
30°	100863
35°	96267
40°	89509
45°	75575
50°	51312
55°	26805
60°	12026
65°	5866
70°	2353
75°	1442
80°	1065
85°	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	5.4
10°-20°	941.4	15.3
20°-30°	1401.3	22.7
30°-40°	1592.9	25.9
40°-50°	1302.6	21.1
50°-60°	485.5	7.9
60°-70°	88.7	1.4
70°-80°	13.7	0.2
80°-90°	1.9	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2675.5	43.4
0°-40°	4268.5	69.3
0°-60°	6056.6	98.3
0°-90°	6160.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6160.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3536	
5°	3512	333
15°	3337	941
25°	3048	1401
35°	2557	1593
45°	1733	1303
55°	499	486
65°	80	89
75°	12	14
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3536.4
2.5°	3530.4
5°	3512.3
7.5°	3480.1
10°	3437.9
12.5°	3389.6
15°	3337.4
17.5°	3277.1
20°	3212.7
22.5°	3136.3
25°	3047.9
27.5°	2947.3
30°	2832.7
32.5°	2702.1
35°	2557.3
37.5°	2402.5
40°	2223.6
42.5°	2002.4
45°	1733.0
47.5°	1409.3
50°	1069.6
52.5°	753.9
55°	498.6
57.5°	313.6
60°	195.0
62.5°	124.6
65°	80.4
67.5°	46.2
70°	26.1
72.5°	16.1
75°	12.1
77.5°	8.0
80°	6.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)